L35 ANSWER 193 OF 272 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1993:22625 HCAPLUS Full-text
DOCUMENT NUMBER: 118:22625
TITLE: Cyclopeptides, procedure for their preparation and their use as medicine
INVENTOR(S): Schnorrenberg, Gerd; Palluk, Rainer; Heinrichs, Stefan
PATENT ASSIGNEE(S): Boehringer Ingelheim Kg, Germany
SOURCE: Ger. Offen., 20 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4032268	A1	19920416	DE 1990-4032268	19901011
CA 2089747	AA	19920412	CA 1991-2089747	19911010

WO 9206998	A1	19920430	WO 1991-EP1934		19911010
W: AU, CA, CS, FI, HU, JP, KR, NO, PL, SU, US					
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE					
AU 9187366	A1	19920520	AU 1991-87366		19911010
EP 552238	A1	19930728	EP 1991-918322		19911010
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE					
HU 63859	A2	19931028	HU 1993-1054		19911010
JP 06501950	T2	19940303	JP 1991-516845		19911010
PL 168456	B1	19960229	PL 1991-299317		19911010
NO 9301341	A	19930407	NO 1993-1341		19930407
PRIORITY APPLN. INFO.:			DE 1990-4032268	A	19901011
			DE 1990-4032269	A	19901011
			DE 1990-4032271	A	19901011
			DE 1991-4117733	A	19910530
			WO 1991-EP1934	A	19911010

OTHER SOURCE(S): MARPAT 118:22625

GI For diagram(s), see printed CA Issue.

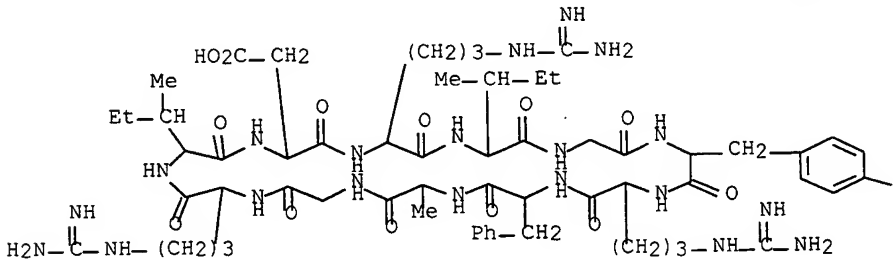
AB Cyclopeptides I [A = NH(CH2)nCO (n = 1-11; B, C = bond or α-amino acid residue; D = α-amino acid residue; E-F = Gly; E, F = α-amino acid residue, NH(CH2)2-11CO; G = α-amino acid residue; H = α-amino acid residue with 1 or 2 lipophilic side chains; I = bond or α-amino acid residue; K = α-amino acid residue; L = α-amino acid residue with 1 or 2 lipophilic side chains; M = Gly or α-amino acid residue] were prepared as atrial natriuretic peptide agonists. Thus, H-β-Ala-Phe-Arg(Mtr)-Phe-D-Ala-Gly-Arg(Mtr)-Ile-Asp(OCMe3)-Arg(Mtr)-Ile-Gly-polymer (Mtr = 4-methoxy-2,3,6- trimethylphenylsulfonyl) was prepared by the solid-phase method on a 2-methoxybenzyl ester resin using Nα-(9-fluorenylmethoxycarbonyl) amino acids. The above protected peptide was cleaved from the resin by 1% CF3CO2H in CH2Cl2 for 10 min. at room temperature and the resulting product was cyclized by diphenylphosphoryl azide and then the side-chain blocking groups were cleaved by CF3CO2H/anisole (90/10) for 24 h at room temperature to give cyclopeptide II.

IT **143130-28-3P 143130-46-5P 143130-47-6P 143130-48-7P 143130-49-8P**
RL: SPN (Synthetic preparation); **PREP (Preparation)**
(preparation of, as atrial natriuretic peptide agonist)

RN 143130-28-3 HCAPLUS

CN Cyclo(D-alanylglycyl-L-arginyl-L-isoleucyl-L-α-aspartyl-L-arginyl-L-isoleucylglycyl-4-nitro-L-phenylalanyl-L-arginyl-L-phenylalanyl) (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

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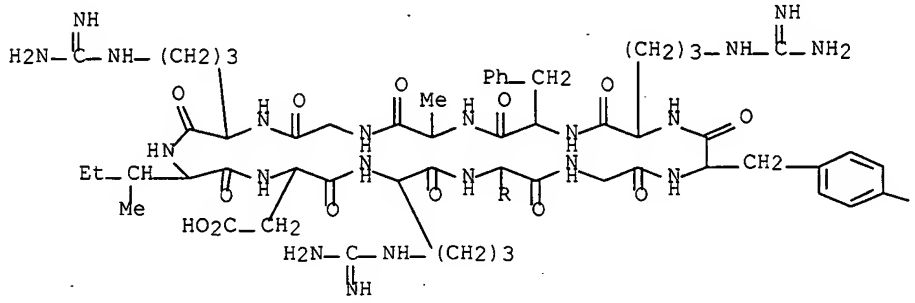
RN 143130-46-5 HCAPLUS

CN Cyclo(D-alanylglycyl-L-arginyl-L-isoleucyl-L-α-aspartyl-L-arginyl-L-isoleucylglycyl-L-tyrosyl-L-arginyl-L-phenylalanyl) (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B

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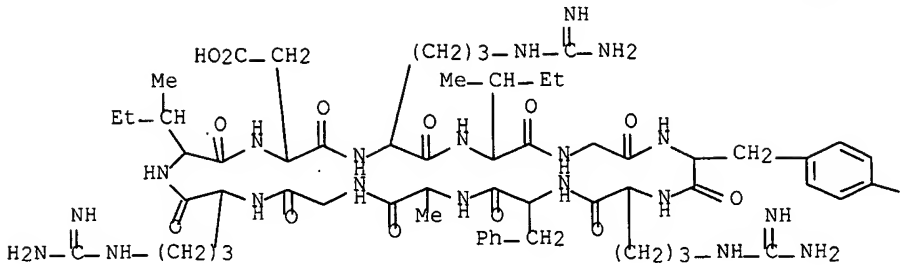
PAGE 2-A

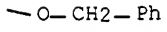
RN 143130-47-6 HCAPLUS

CN Cyclo[D-alanylglycyl-L-arginyl-L-isoleucyl-L-α-aspartyl-L-arginyl-L-isoleucylglycyl-O-(phenylmethyl)-L-tyrosyl-L-arginyl-L-phenylalanyl] (9CI) (CA INDEX NAME)

PAGE 1-A



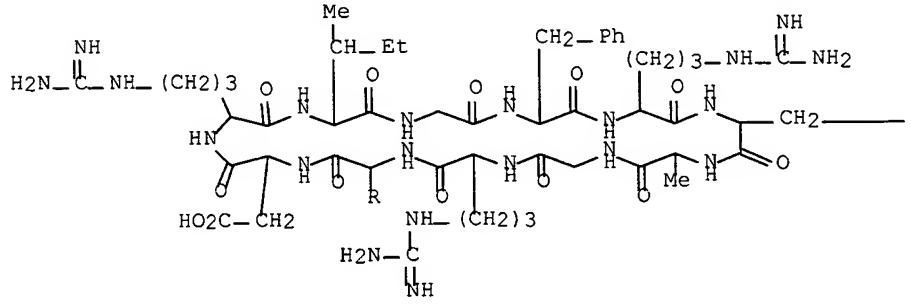
PAGE 1-B



RN 143130-48-7 HCAPLUS

CN Cyclo(D-alanylglycyl-L-arginyl-L-isoleucyl-L-α-aspartyl-L-arginyl-L-isoleucylglycyl-L-phenylalanyl-L-arginyl-L-tyrosyl) (9CI) (CA INDEX NAME)

PAGE 1-A



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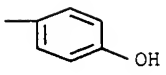
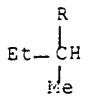


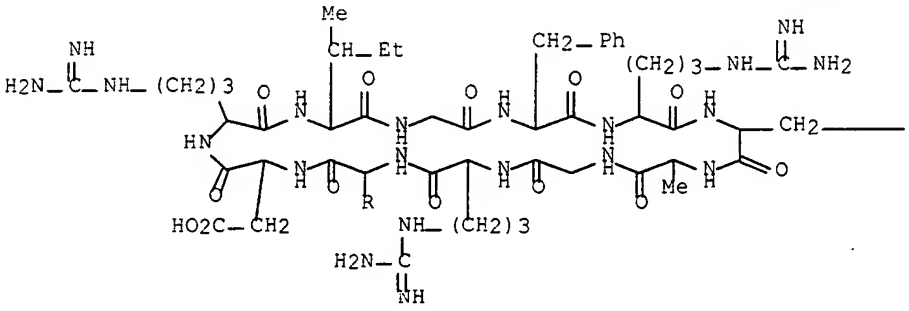
PAGE 2-A



RN 143130-49-8 HCAPLUS

CN Cyclo[D-alanylglycyl-L-arginyl-L-isoleucyl-L-α-aspartyl-L-arginyl-L-isoleucylglycyl-L-phenylalanyl-L-arginyl-O-(phenylmethyl)-L-tyrosyl] (9CI) (CA INDEX NAME)

PAGE 1-A



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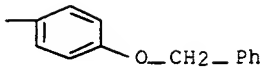

PAGE 2-A